Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Desilting of Secondary Drain & Construction of RCC Drain at Kalyananagara in 2nd cross near Karimariyamma Temple, Pipeline Road, in Ward no. 13, in Shettyhalli Sub-Division

Est .Cost Rs. 10.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing and resetting of Footpath slab. Page No. 273/ Item No. 37.56/ PWD SR 2013-14	Sqm							
			1	118.00		0.90	106.20		
							106.20		
	Missing 10%						10.62		
							95.58	97.52	**9321.00**
	Basic Rate	92.00							
	Area Weightage @ 6%	5.52							
		97.52							
2	Removing B.S.Slab of drain and stacking etc., complete Page No. 28/ Item No. 5.32/ PWD SR 2013-14	Sqm							
	Cross roads		1	90.00		1.50	135.00		
	Cross		8	20.00		0.90	144.00		
							279.00		
	Missing 10%						27.90		
							251.10	49.18	**12350.00**
	Basic Rate	46.40							
	Area Weightage @ 6%	2.78							
		49.18							
3	KSRRB 300 - Excavation and removal of silt or silt mixed with sand in slussy condition from cannel beg, including disposal of the same in soil bank ion cannel the embackment in layer as directed extc, complete with intial lead upto 50 mtr and all lift. (P.129/I.51, MISR 2010-11)	Cum							
	SWD Drain		1	150.00	1.00	0.80	**120.00**		
	Cross roads		10	70.00	0.50	0.50	**175.00**		
	7th cross road		1	70.00	1.00	0.50	**35.00**		
							330.00	107.00	**35310.00**
	Basic rate	107.00							
	total	**107.00**							

4	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2013-14								
	RCC drain 2 Cr's & Kalyanam	Cum	2	32.00	0.90	0.90	51.84		
	Shivananda store road		1	35.00	1.10	1.20	46.20		
			1	11.00	0.75	0.90	7.43		
			1	7.00	0.75	0.90	4.73		
	Bad reaches		1	30.00	1.20	0.25	9.00		
							119.19	148.93	**17751.00**
	Basic Rate	140.50							
	Area Weightage @ 6%	8.43							
		148.93							
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2013-14	Cum							
			2	32.00	0.90	0.15	8.64		
			1	35.00	1.00	0.15	5.25		
			1	11.00	0.75	0.15	1.24		
			1	7.00	0.75	0.15	0.79		
	Bad reaches		1	30.00	1.20	0.15	5.40		
	Basic Rate	4164.00					**21.32**	4413.84	**94081.00**
	Area Weightage @ 6%	249.84							
	Total	**4413.84**							
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2013-14								
	Walls	Cum	2x2	32.00	0.15	0.60	11.52		
	Bed		2	32.00	0.80	0.15	7.68		
	Walls		2x1	35.00	0.15	0.90	9.45		
	Bed		1	35.00	0.75	0.15	3.94		

	Walls		2x1	11.00	0.15	0.75	2.48		
	Bed		1	11.00	0.75	0.15	1.24		
	Walls		2x1	7.00	0.15	0.60	1.26		
	Bed		1	7.00	0.60	0.15	0.63		
							38.19		
	Bad reaches		1	30.00	1.20	0.10	3.60		
	Basic Rate	5222.00					**41.79**	5535.32	**231321.00**
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
7	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3. for TMT Bars Fe 415. Page No. 19/ Item No. 4.46/ PWD SR 2013-14								
		Qtls		38.19	x	70kgs	26.73		
	Basic Rate	6834.00					**26.73**	7244.04	**193655.00**
	Area Weightage @ 6%	410.04							
	Total	**7244.04**							
8	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 17/ Item No. 4.35/ PWD SR 2013-14	Sqm							
	for RCC drain Walls		4x2	32.00		0.75	192.00		
			2x2	35.00		1.00	140.00		
			2x2	11.00		0.75	33.00		
			2x2	7.00		0.75	21.00		
	Basic Rate	294.00					**386.00**	311.64	**120293.00**
	Area Weightage @ 6%	17.64							
		311.64							
9	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			2	32.00	0.75		48.00		
			1	35.00	0.90		31.50		
			1	11.00	0.75		8.25		
			1	7.00	0.75		5.25		
	Missed Slabs		70	0.60	1.20		50.40		
	Missed Slabs		55	0.60	0.90		29.70		
	Approved Rate of Precast slab	1600							
	Data rate for precast slab of 100MM thick						**173.10**	1600	**276960.00**

10	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2013-14)								
	Qty Vide Item No 3	Cum					**119.19**		
							119.19	74.07	**8829.00**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage @ 6%	4.19							
	Total	**74.07**							
11	Miscellaneous and unforseen Charges								**129**
									1000000.00
(Rupees Ten lakhs Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

A/S

ನಂ. JC(DH) AS/898/13-14 ದಿನಾಂಕ: 04/03/2014

ರೂ. 10.00 Lakhs (Rupees Ten Lakhs only).

Page No. 007
Sl. No. 898

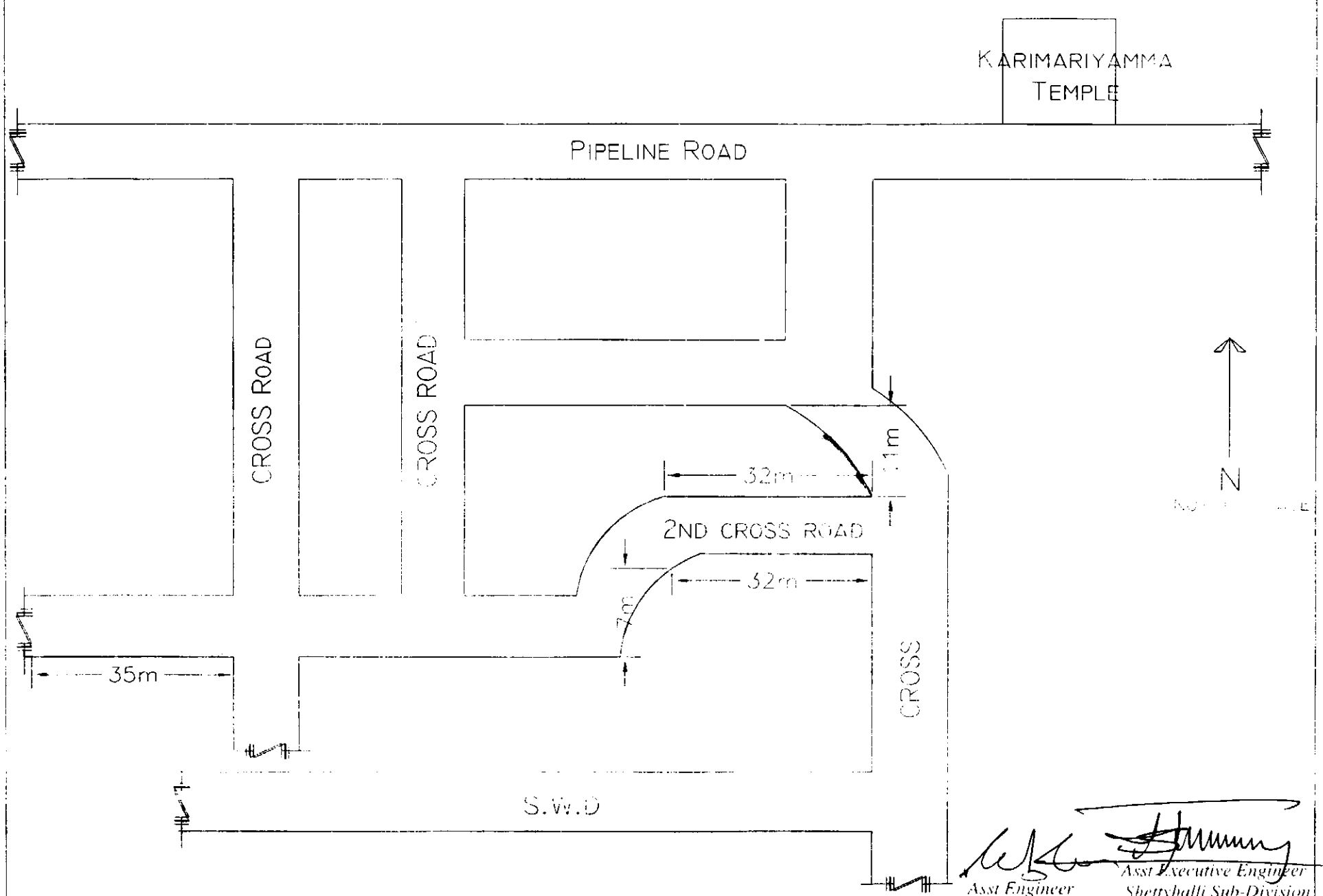
ನಂ:EE/DD/TS/04/14-15 ದಿನಾಂಕ: 27/5/2014

ರೂ. 10.00 Lakhs (Rupees Ten Lakhs only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

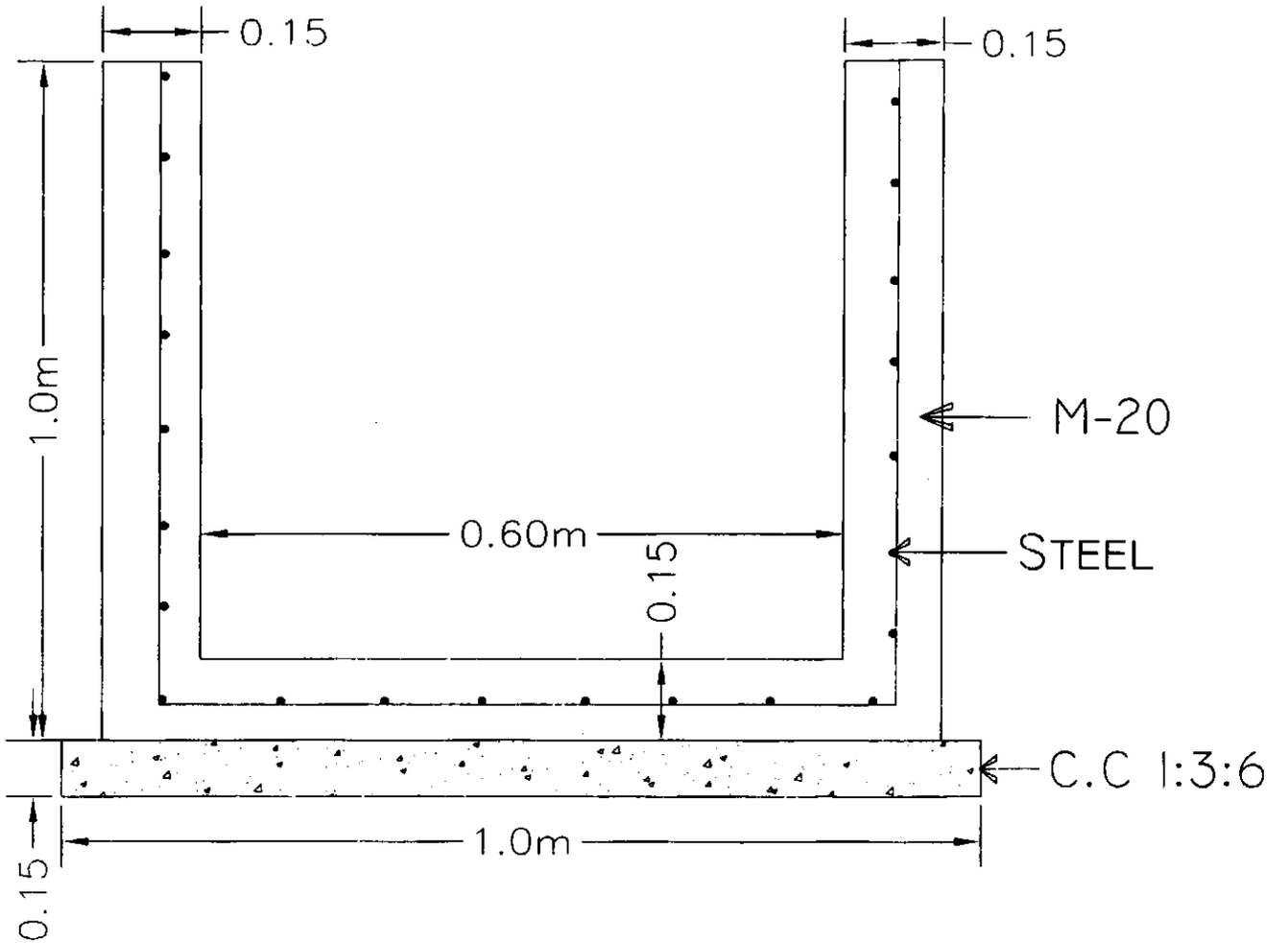
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ

SKETCH SHOWING DESIGN OF SECONDARY DRAIN & CONSTR. OF RCC FOOTPATH AT P.A. KAMMANAGARA IN 2ND CROSS, NEAR KARIMARIYAMMA TEMPLE, PIPELINE ROAD, IN WARD NO. 13, IN SSD



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P



TYPICAL CROSS SECTION OF RCC DRAIN

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P